

Project Description

This project involves the modification of the existing traffic signal at the intersection of MD3 (SBL) and MD 175 in Anne Arundel county. MD 3 is assumed to run in a North-South direction. This work is necessitated by geometric improvements and will involve the replacement the of detectors on MD 175.

Controller Operation

The existing eight-phase fully actuated NEMA controller will be used and the operation will not change.

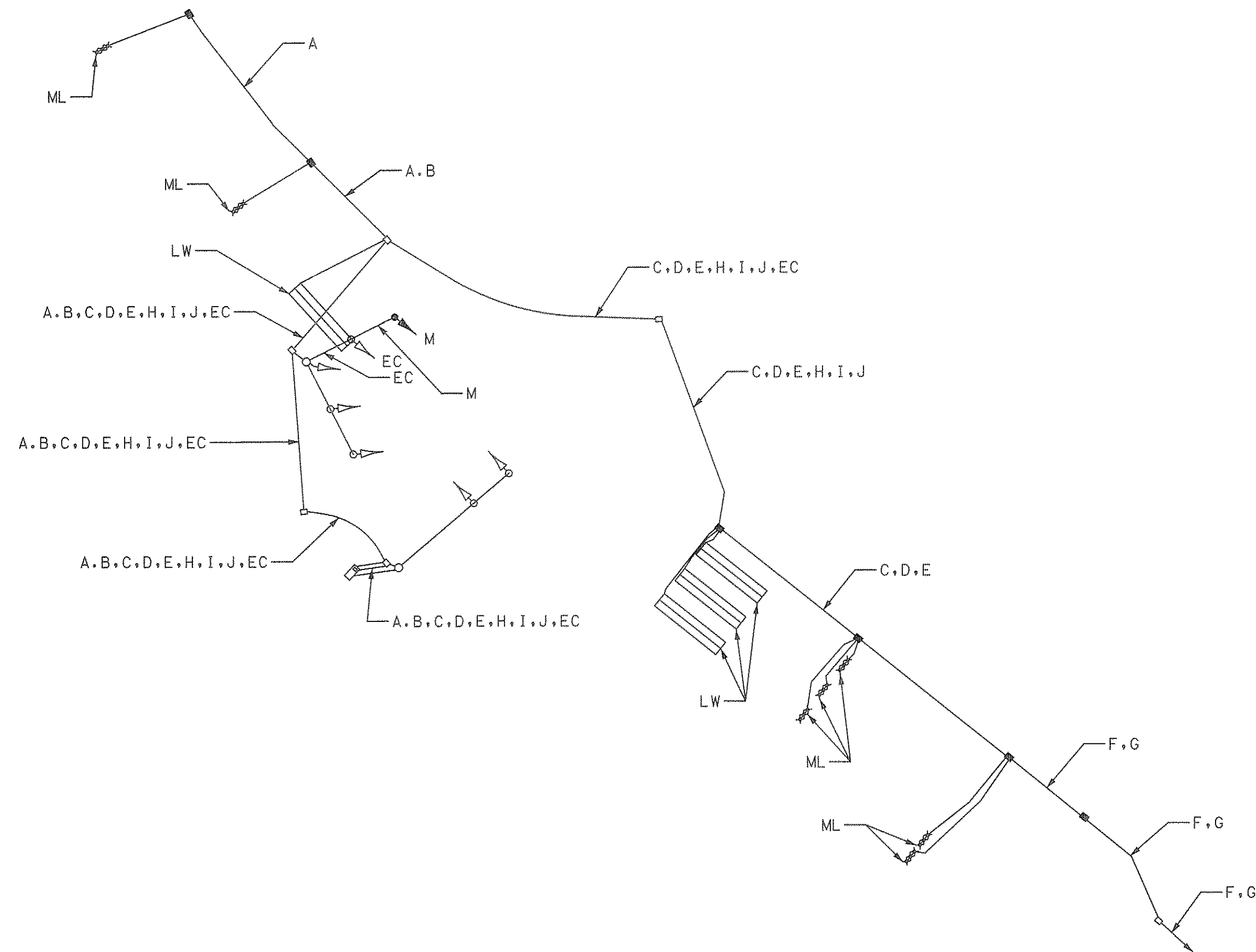
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR


ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA.	MAINTENANCE OF TRAFFIC
5004	60 L.F.	FURNISH AND INSTALL 24 IN. HEAT APPLIED PERMANENT PREFORM THERMOPLASTIC PAVEMENT MARKING
5006	1 EA.	FURNISH AND INSTALL HEAT APPLIED PERMANENT PREFORM THERMOPLASTIC PAVEMENT MARKING ARROW
5007	60 L.F.	REMOVE EXISTING PAVEMENT MARKING
8017	7 EA.	FURNISH AND INSTALL MICRO-LOOP PROBE WITH 1000 FT. LEAD-IN
8021	750 L.F.	FURNISH AND INSTALL SAW CUT FOR SIGNAL (LOOP DETECTOR)
8023	80 L.F.	FURNISH AND INSTALL 1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
8032	90 L.F.	FURNISH AND INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT - BORED
8024	720 L.F.	FURNISH AND INSTALL 2 IN. SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED
8033	6 EA.	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8040	1800 L.F.	FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)
8041	1480 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)
8044	25 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
8060	1 EA.	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT
----	1 EA.	RELOCATE EXISTING SIGNAL HEAD

WIRING DIAGRAM

WIRING KEY

A-G	MICRO-LOOP PROBE
H-L	2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.) ALUMINUM SHIELDED
M	5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
LW	LOOP WIRE (NO. 14 A.W.G.)
EC	EXISTING CABLE
ML	MICRO-LOOP PROBE





MARYLAND DOT - STATE HIGHWAY ADMINISTRATION

Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

GENERAL INFORMATION SHEET

MD 3 (SBL) AND MD 175

DRAWN BY: T.M.Z	F.A.P. NO.	TS NO. 179H GI	SHEET NO. 2 OF 2
CHECKED BY: K.W.S	S.H.A. NO.		
SCALE: NONE	COUNTY: ANNE ARUNDEL	T.I.M.S. NO.	
DATE: 7-10-00	LOG MILE:		